

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>KANSAS, Extreme Southeast</b>				
<b>(KS-Z073) BOURBON, (KS-Z097) CRAWFORD, (KS-Z101) CHEROKEE</b>				
	07/01/11 06:00 CST		0	Drought
	07/31/11 23:59 CST		0	
Dry conditions began to impact portions of extreme southeastern Kansas in July as D0 drought developed over the state and spread north and east into the region at the start of the month. By the end of July, D2 drought had advanced into extreme southeastern portions of the Kansas as rainfall had become sparse.				
<b>BOURBON COUNTY --- 0.6 E GARLAND [37.73, -94.62]</b>				
	07/03/11 16:38 CST		10K	Thunderstorm Wind (EG 52 kt)
	07/03/11 16:38 CST		0	Source: Emergency Manager
A power pole was snapped at its base, tree limbs up to 10 inches in diameter were downed, and a trailer home received minor roof damage.				
<b>CRAWFORD COUNTY --- 1.5 NNE CHICOPEE [37.40, -94.74]</b>				
	07/03/11 18:29 CST		2K	Thunderstorm Wind (EG 52 kt)
	07/03/11 18:29 CST		0	Source: Law Enforcement
Law enforcement reported that a tree was downed on power lines near the intersection of East 540th Avenue and South 200th Street.				
<b>CRAWFORD COUNTY --- 2.2 W LONE OAK [37.43, -94.77]</b>				
	07/03/11 18:29 CST		10K	Thunderstorm Wind (EG 52 kt)
	07/03/11 18:29 CST		0	Source: Law Enforcement
Law enforcement reported that power lines and poles were down near the intersection of 560th Avenue and 190th Street.				
A weak cool front that became stationary across the Ozarks and southeastern Kansas interacted with a very unstable airmass. Isolated strong to severe pulse storms occurred across southeastern Kansas.				
<b>(KS-Z101) CHEROKEE</b>				
	07/10/11 14:00 CST		0.11M	Excessive Heat
	07/10/11 17:00 CST		0	
A strong upper level ridge of high pressure caused extreme heat to affect portions of southeast Kansas which killed livestock in the area.				
<b>BOURBON COUNTY --- 2.3 NNE MARMATON [37.86, -94.81]</b>				
	07/24/11 17:00 CST		0.13M	Thunderstorm Wind (EG 52 kt)
	07/24/11 17:00 CST		0	Source: Emergency Manager
A micro burst caused damage to a car port, several out buildings, tore the roof off a small barn, destroyed a mobile home and caused roof damage to several other buildings. Several trees and power poles and a flag pole were downed.				
<b>BOURBON COUNTY --- 3.0 NNE MARMATON [37.87, -94.81]</b>				
	07/24/11 17:00 CST		5K	Thunderstorm Wind (EG 52 kt)
	07/24/11 17:00 CST		0	Source: Emergency Manager
Several trees and telephone poles were blown down or snapped.				
<b>CHEROKEE COUNTY --- 0.7 N WEIR [37.31, -94.77]</b>				
	07/24/11 19:07 CST		0	Thunderstorm Wind (EG 52 kt)
	07/24/11 19:07 CST		0	Source: Emergency Manager
Several large trees were downed.				
A weak frontal boundary, combined with summer daytime heating, helped develop isolated strong to severe storms which caused localized downbursts and large hail.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MISSOURI, Southwest</b>				
(MO-Z077) BARTON, (MO-Z088) JASPER, (MO-Z090) GREENE, (MO-Z091) WEBSTER, (MO-Z093) NEWTON, (MO-Z094) LAWRENCE, (MO-Z095) CHRISTIAN, (MO-Z101) MCDONALD, (MO-Z102) BARRY, (MO-Z103) STONE, (MO-Z104) TANEY, (MO-Z105) OZARK				
	07/01/11 06:00 CST		0	Drought
	07/31/11 23:59 CST		0	
Dry conditions began to impact portions of the Missouri Ozarks in July as D0 drought developed over western and southern portions of Missouri at the start of the month. By the end of July, D2 drought had advanced into extreme southwestern portions of the CWA as rainfall had become sparse.				
<b>GREENE COUNTY --- 0.9 NE SPRINGFIELD BAR H AR [37.19, -93.12]</b>				
	07/02/11 17:28 CST		0	Hail (1.75 in)
	07/02/11 17:28 CST		10K	Source: Public
Golf ball size hail covered the ground up to an hour after falling. Hail destroyed fruit trees and crops at a local orchard.				
<b>GREENE COUNTY --- 0.6 E SPRINGFIELD BAR H AR [37.18, -93.12]</b>				
	07/02/11 17:35 CST		0	Hail (0.88 in)
	07/02/11 17:35 CST		0	Source: Public
<b>VERNON COUNTY --- 1.3 ENE HARWOOD [37.96, -94.15]</b>				
	07/02/11 18:08 CST		0	Hail (0.88 in)
	07/02/11 18:08 CST		0	Source: Emergency Manager
<b>ST. CLAIR COUNTY --- 0.7 N HARPER [38.08, -93.52]</b>				
	07/02/11 18:10 CST		0	Hail (1.00 in)
	07/02/11 18:10 CST		0	Source: Emergency Manager
<b>VERNON COUNTY --- 2.1 S SCHELL CITY [37.99, -94.12]</b>				
	07/02/11 18:30 CST		0	Hail (1.25 in)
	07/02/11 18:30 CST		0	Source: Emergency Manager
<b>VERNON COUNTY --- 2.1 S SCHELL CITY [37.99, -94.12], 2.6 SSE SCHELL CITY [37.98, -94.10]</b>				
	07/02/11 18:30 CST		0	Thunderstorm Wind (EG 52 kt)
	07/02/11 18:30 CST		0	Source: Emergency Manager
Several large trees were reported down along Highway AA.				
<b>CEDAR COUNTY --- 0.6 E CEDAR SPGS [37.87, -93.89]</b>				
	07/02/11 19:03 CST		0	Hail (1.00 in)
	07/02/11 19:03 CST		0	Source: Emergency Manager
<b>VERNON COUNTY --- 1.8 ENE FAIR HAVEN [37.99, -94.15]</b>				
	07/02/11 19:28 CST		0	Hail (1.00 in)
	07/02/11 19:28 CST		0	Source: Law Enforcement
Hail covered the ground.				
<b>GREENE COUNTY --- 1.3 ENE MULROY [37.26, -93.15]</b>				
	07/03/11 13:46 CST		0	Hail (1.00 in)
	07/03/11 13:46 CST		0	Source: Amateur Radio
<b>CAMDEN COUNTY --- 0.9 NE CAMDENTON [38.01, -92.74]</b>				
	07/03/11 13:55 CST		0	Hail (0.88 in)
	07/03/11 13:55 CST		0	Source: Law Enforcement
<b>GREENE COUNTY --- STRAFFORD [37.27, -93.12], 0.2 E STRAFFORD [37.27, -93.12], 0.4 SE STRAFFORD [37.27, -93.11], 0.3 S STRAFFORD [37.27, -93.12]</b>				

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/03/11 13:58 CST		0	Flood (due to Heavy Rain)
	07/03/11 17:14 CST		0	Source: Amateur Radio

One to two inches of water was reported flowing over several roads in the town of Strafford.

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### CAMDEN COUNTY --- 0.9 NE CAMDENTON [38.01, -92.74]

07/03/11 14:00 CST	0	Hail (1.75 in)
07/03/11 14:00 CST	0	Source: Public

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### CAMDEN COUNTY --- 1.5 SSE CAMDENTON [37.98, -92.74]

07/03/11 14:00 CST	0	Hail (1.00 in)
07/03/11 14:00 CST	0	Source: Public

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### CAMDEN COUNTY --- 2.3 SSW GREEN BAY TERRACE [38.07, -92.79]

07/03/11 14:02 CST	0	Hail (1.00 in)
07/03/11 14:02 CST	0	Source: Public

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### GREENE COUNTY --- SPRINGFIELD [37.20, -93.30]

07/03/11 14:29 CST	0	Hail (1.25 in)
07/03/11 14:29 CST	0	Source: Trained Spotter

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### GREENE COUNTY --- 0.6 E SPRINGFIELD [37.20, -93.29]

07/03/11 14:31 CST	0	Hail (1.75 in)
07/03/11 14:31 CST	0	Source: Trained Spotter

Spotter reported golf ball sized hail at Walnut and Kansas Expressway.

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### PULASKI COUNTY --- 2.7 E BIG PINEY [37.67, -92.05]

07/03/11 16:09 CST	0	Hail (0.88 in)
07/03/11 16:09 CST	0	Source: Public

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### TEXAS COUNTY --- 1.5 NNE ROBY [37.54, -92.14]

07/03/11 16:25 CST	0	Hail (1.00 in)
07/03/11 16:25 CST	0	Source: State Official

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### VERNON COUNTY --- 4.2 N ARCADIA [37.73, -94.59]

07/03/11 16:57 CST	0	Hail (0.75 in)
07/03/11 16:57 CST	0	Source: Law Enforcement

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### VERNON COUNTY --- 1.4 N ARCADIA [37.69, -94.60], 1.5 NNE ARCADIA [37.69, -94.59]

07/03/11 17:02 CST	3K	Thunderstorm Wind (EG 52 kt)
07/03/11 17:02 CST	0	Source: Emergency Manager

Several large trees down were reported down and shingle damage was reported to one home near the intersection of Highways T and FF.

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### BARTON COUNTY --- 0.9 SE LIBERAL [37.56, -94.52]

07/03/11 17:13 CST	0	Thunderstorm Wind (EG 52 kt)
07/03/11 17:13 CST	0	Source: Emergency Manager

The Emergency Manager reported multiple large trees uprooted in town. No damage was reported.

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### VERNON COUNTY --- 0.7 ENE NEVADA [37.83, -94.36], 1.0 NE NEVADA [37.84, -94.36]

07/03/11 17:17 CST	10K	Thunderstorm Wind (EG 52 kt)
07/03/11 17:17 CST	0	Source: Emergency Manager

Several power lines reported down on Cedar Street as the result of large, falling tree limbs.

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### BARTON COUNTY --- 4.9 N IRWIN [37.65, -94.29]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/03/11 17:20 CST		1K	Thunderstorm Wind (EG 52 kt)
	07/03/11 17:20 CST		0	Source: Emergency Manager
A steel highway sign had its securing bolts sheared off by high winds and the sign was blown over on to the road.				
<b>VERNON COUNTY --- 1.3 ENE NEVADA [37.84, -94.35]</b>				
	07/03/11 17:20 CST		0	Thunderstorm Wind (EG 52 kt)
	07/03/11 17:20 CST		0	Source: Law Enforcement
A large tree was reported down across Main Street.				
<b>VERNON COUNTY --- 2.1 NNE SHELTON [37.70, -94.29]</b>				
	07/03/11 17:22 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	07/03/11 17:22 CST		0	Source: Law Enforcement
A large metal sign was blown over on Highway 71 at County Road DD.				
<b>BARRY COUNTY --- 0.6 W MONETT [36.92, -93.93]</b>				
	07/03/11 18:50 CST		12K	Thunderstorm Wind (EG 52 kt)
	07/03/11 18:50 CST		0	Source: Emergency Manager
Power lines, poles and large trees were reported down within the city of Monett.				
<b>BARRY COUNTY --- 0.9 SW MONETT [36.91, -93.93]</b>				
	07/03/11 18:50 CST		0	Thunderstorm Wind (EG 52 kt)
	07/03/11 18:50 CST		0	Source: Emergency Manager
Several large trees were reported down about 1 mile south of Highway 60 near Highway 37.				
<b>GREENE COUNTY --- STRAFFORD [37.27, -93.12], 0.5 E STRAFFORD [37.27, -93.11], 0.8 SE STRAFFORD [37.26, -93.11], 0.5 S STRAFFORD [37.26, -93.12]</b>				
	07/03/11 19:14 CST		0	Flood (due to Heavy Rain)
	07/04/11 00:00 CST		0	Source: Law Enforcement
The Strafford Police Department reported minor flooding, with one to two inches of standing water on many streets in town.				
<b>DOUGLAS COUNTY --- 1.8 ESE MERRITT [36.89, -92.84]</b>				
	07/03/11 20:34 CST		0	Thunderstorm Wind (EG 52 kt)
	07/03/11 20:34 CST		0	Source: Law Enforcement
A large tree was reported down across Highway 76 at Beaver Creek near the Highway 76 and Highway T intersection.				
<b>TEXAS COUNTY --- 1.5 SSE EVENING SHADE [37.56, -92.14]</b>				
	07/04/11 15:30 CST		0	Hail (0.75 in)
	07/04/11 15:30 CST		0	Source: CoCoRaHS
<b>DOUGLAS COUNTY --- 0.6 W AVA [36.95, -92.66]</b>				
	07/04/11 22:28 CST		0	Thunderstorm Wind (EG 52 kt)
	07/04/11 22:28 CST		0	Source: Trained Spotter
A large tree was reported down by a spotter.				
<b>A weak cool front that became stationary across the Ozarks and southeastern Kansas interacted with a very unstable airmass. Isolated strong to severe pulse storms occurred across the Ozarks. Reports of hail up to golf ball size, isolated wind damage and heavy rainfall were reported.</b>				
<b>SHANNON COUNTY --- 2.3 S BARTLETT [36.97, -91.42], 2.3 S BARTLETT [36.97, -91.42], 2.4 S BARTLETT [36.97, -91.42], 2.4 S BARTLETT [36.97, -91.42]</b>				
	07/05/11 06:00 CST	1	2K	Flash Flood (due to Heavy Rain)
	07/05/11 06:00 CST		0	Source: Newspaper

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A Shannon County resident was swept off a low water bridge during the early morning hours of July 5th after isolated thunderstorms produced heavy rainfall causing a small stream to become swollen and overflow its banks. The driver attempted to drive over the flooded low water bridge and was swept nearly 150 yards down stream where his car and body were found on July 13th.				

Direct Fatalities: M63VE

**Isolated thunderstorms over central and south central Missouri, produced isolated areas of heavy rainfall and flooding in Shannon County.**

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### GREENE COUNTY --- 2.0 SSE PLEASANT VLY [37.27, -93.26]

07/06/11 17:00 CST	5K	Lightning
07/06/11 17:00 CST	0	Source: Broadcast Media

A lightning strike caused a minor house fire.

**An isolated strong thunderstorm caused a damaging lightning strike to occur to a house.**

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### TEXAS COUNTY --- 0.7 S CABOOL [37.12, -92.10], 0.8 SE CABOOL [37.12, -92.09]

07/07/11 18:25 CST	10K	Thunderstorm Wind (EG 52 kt)
07/07/11 18:25 CST	0	Source: Law Enforcement

The Cabool Police Department reported that two trees were down in town. One of the trees fell on a single family home on the west side of town.

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### DOUGLAS COUNTY --- 2.8 S VANZANT [36.93, -92.32]

07/07/11 19:07 CST	0	Hail (1.75 in)
07/07/11 19:07 CST	0	Source: Amateur Radio

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### DOUGLAS COUNTY --- 3.1 WSW TOPAZ [36.93, -92.27]

07/07/11 19:10 CST	0	Hail (1.00 in)
07/07/11 19:10 CST	0	Source: CoCoRaHS

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### DOUGLAS COUNTY --- 1.8 SW TWIN BRIDGES [36.80, -92.17]

07/07/11 19:30 CST	0	Hail (0.75 in)
07/07/11 19:30 CST	0	Source: Public

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### OREGON COUNTY --- 1.1 W COUCH [36.60, -91.40], 1.1 S GARFIELD [36.60, -91.40], 0.7 NW COUCH [36.61, -91.39], 0.6 WNW COUCH [36.60, -91.39]

07/08/11 00:22 CST	0	Flash Flood (due to Heavy Rain)
07/08/11 06:00 CST	0	Source: Department of Highways

County Road A was closed between County Road 212 and Highway 203 due to flooding.

**An isolated supercell moved across portions of south central Missouri including Douglas County. The storm developed in an extremely unstable environment and produced hail to golf balls in size along with isolated wind damage.**

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### (MO-Z090) GREENE

07/12/11 12:00 CST	0	Excessive Heat
07/12/11 12:00 CST	55	0

**A persistent ridge of high pressure over the region allowed temperatures to climb into the 90s and up to 106 degrees across portions of the Missouri Ozarks. Western Missouri experienced the warmest temperatures during this period. During the extended period of excessive heat at least 55 heat related illnesses were reported.**

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### MILLER COUNTY --- 4.4 W WEST AURORA [38.31, -92.68]

07/12/11 19:45 CST	1K	Thunderstorm Wind (EG 52 kt)
07/12/11 19:45 CST	0	Source: Fire Department/Rescue

A carport was flipped upside down and several large limbs were blown down.

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### MILLER COUNTY --- 2.1 S ETTERVILLE [38.34, -92.47]

07/12/11 21:15 CST	10K	Thunderstorm Wind (EG 78 kt)
07/12/11 21:15 CST	0	Source: NWS Storm Survey

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A NWS storm survey revealed that a microburst with winds estimated around 90 miles per hour snapped several trees. One tree fell on a house damaging the chimney and breaking a window.				

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### MORGAN COUNTY --- 2.6 SW ROCKY MT [38.27, -92.73]

07/12/11 22:22 CST	50K	Thunderstorm Wind (EG 61 kt)
07/12/11 22:22 CST	0	Source: NWS Storm Survey

One boat dock was destroyed and minor damage was reported to several boats. A few trees were blown down.

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### JASPER COUNTY --- 1.4 S LAKESIDE [37.15, -94.42]

07/12/11 22:25 CST	5K	Thunderstorm Wind (EG 60 kt)
07/12/11 22:25 CST	0	Source: Emergency Manager

A barn was damaged and several trees blown down.

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### JASPER COUNTY --- 0.7 N PROSPERITY [37.14, -94.43]

07/12/11 22:47 CST	0.11M	Thunderstorm Wind (EG 87 kt)
07/12/11 22:47 CST	0	Source: NWS Storm Survey

A NWS storm survey revealed that a microburst with winds estimated between 90 and 100 mph partially peeled a roof off a garage. These winds also rolled an 1100 pound fiber optic sewer pipe 200 yards.

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### MARIES COUNTY --- 5.0 W SHANTYTOWN [38.02, -92.14], 5.1 W SHANTYTOWN [38.02, -92.14], 4.8 W SHANTYTOWN [38.02, -92.14], 4.8 W SHANTYTOWN [38.02, -92.14]

07/12/11 23:57 CST	0	Flash Flood (due to Heavy Rain)
07/12/11 23:57 CST	0	Source: Public

Excessive rainfall caused flash flooding to occur along the Little Maries River at the intersection with County Road 634. This low water crossing was impassable to motorists with two feet of swift water flowing over the bridge.

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### WRIGHT COUNTY --- 2.8 N GROVESPRING [37.44, -92.61]

07/13/11 01:21 CST	0	Thunderstorm Wind (EG 60 kt)
07/13/11 01:21 CST	0	Source: Public

A large tree was snapped.

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### LACLEDE COUNTY --- 0.6 E LEBANON [37.68, -92.66], 0.6 ESE LEBANON [37.68, -92.66], 0.8 E LEBANON [37.68, -92.66], 0.8 E LEBANON [37.68, -92.66]

07/13/11 02:13 CST	0	Flash Flood (due to Heavy Rain)
07/13/11 02:13 CST	0	Source: Emergency Manager

Numerous streets within the city of Lebanon were flooded.

**An upper level disturbance moving across the Ozarks and a stationary front positioned across the Ozark caused a cluster or strong to severe storms to develop which caused wind damage and localized flash flooding.**

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### (MO-Z090) GREENE, (MO-Z097) HOWELL

07/17/11 12:00 CST	1	25K	Excessive Heat
07/25/11 12:00 CST	57	0	

Direct Fatalities: M37OU

**A very strong upper level ridge of high pressure caused extreme heat to build over the Ozarks. This caused a section of a major road to buckle. During this period at least 57 heat related illnesses were reported along with one fatality.**

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### TEXAS COUNTY --- 1.5 SSW PRESCOTT [37.41, -91.94]

07/22/11 12:35 CST	0.10M	Thunderstorm Wind (EG 61 kt)
07/22/11 12:35 CST	0	Source: Amateur Radio

Downburst wind gusts destroyed two machine sheds that were 25 feet wide and 60 feet in length. Two corn cribs were also destroyed along with several down large trees. This damage occurred near the intersection of Highway E and Sand Shores Road south of Prescott.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>POLK COUNTY --- 2.6 NE SLAGLE [37.56, -93.35]</b>				
	07/22/11 15:30 CST		0	Thunderstorm Wind (EG 52 kt)
	07/22/11 15:30 CST		0	Source: Public
Several large limbs were blown down.				
<b>MARIES COUNTY --- 4.5 NNW VETO [38.14, -91.86]</b>				
	07/22/11 15:39 CST		0	Thunderstorm Wind (EG 52 kt)
	07/22/11 15:39 CST		0	Source: Public
Several large tree limbs were blown down.				
<b>GREENE COUNTY --- 0.9 NE EBENEZER [37.34, -93.31]</b>				
	07/23/11 15:48 CST		10K	Thunderstorm Wind (EG 52 kt)
	07/23/11 15:48 CST		0	Source: Law Enforcement
Downburst winds gusts knocked down approximately 10 power poles north of Springfield near the intersection of Highway WW and Farm Road 159.				
<b>PHELPS COUNTY --- ROLLA [37.95, -91.77]</b>				
	07/24/11 16:07 CST		0	Thunderstorm Wind (EG 52 kt)
	07/24/11 16:07 CST		0	Source: Law Enforcement
Several trees were blown down.				
<b>PHELPS COUNTY --- ROLLA [37.95, -91.77]</b>				
	07/24/11 16:13 CST		0	Hail (1.00 in)
	07/24/11 16:13 CST		0	Source: Trained Spotter
<b>PHELPS COUNTY --- 5.1 NW NORTHWYE [38.02, -91.84]</b>				
	07/24/11 16:15 CST		5K	Thunderstorm Wind (EG 52 kt)
	07/24/11 16:15 CST		0	Source: Emergency Manager
Power lines were blown down near the intersection of Highway E and Highway A.				
<b>PHELPS COUNTY --- ROLLA [37.95, -91.77]</b>				
	07/24/11 16:15 CST		5K	Thunderstorm Wind (EG 52 kt)
	07/24/11 16:15 CST		0	Source: Emergency Manager
A few power poles were blown down.				
<b>PHELPS COUNTY --- 1.3 ESE ROLLA [37.94, -91.75]</b>				
	07/24/11 16:30 CST		15K	Thunderstorm Wind (EG 52 kt)
	07/24/11 16:30 CST		0	Source: Emergency Manager
Several trees and power lines were blown down. Shingles were blown off several roofs and windows were broken due to downed trees . A few sheds were blow over.				
<b>PHELPS COUNTY --- ROLLA [37.95, -91.77]</b>				
	07/24/11 16:35 CST		0	Hail (0.88 in)
	07/24/11 16:35 CST		0	Source: Law Enforcement
<b>POLK COUNTY --- 1.4 N BRIGHTON [37.47, -93.35]</b>				
	07/24/11 17:35 CST		10K	Thunderstorm Wind (EG 56 kt)
	07/24/11 17:35 CST		0	Source: Emergency Manager
A barn was destroyed and a few trees downed.				
<b>GREENE COUNTY --- 0.6 E SPRINGFIELD [37.20, -93.29]</b>				
	07/24/11 18:28 CST		2K	Thunderstorm Wind (MG 59 kt)
	07/24/11 18:28 CST		0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Vinyl siding was ripped from a house. A home weather equipment measured a 68 mph wind gust.				
<b>GREENE COUNTY --- 0.9 SW (SGF)SPRINGFIELD ARP [37.24, -93.39]</b>				
	07/24/11 18:31 CST		0	Thunderstorm Wind (MG 61 kt)
	07/24/11 18:31 CST		0	Source: ASOS
The Springfield ASOS measured a 70 mph wind gust.				
<b>GREENE COUNTY --- 0.6 E BATTLEFIELD [37.12, -93.37]</b>				
	07/24/11 18:52 CST		0	Thunderstorm Wind (EG 52 kt)
	07/24/11 18:52 CST		0	Source: Fire Department/Rescue
Fire department estimated wind gusts up to 60 mph.				
<b>CHRISTIAN COUNTY --- 2.8 ENE TERRELL [37.09, -93.37]</b>				
	07/24/11 19:04 CST		0	Thunderstorm Wind (EG 52 kt)
	07/24/11 19:04 CST		0	Source: NWS Employee
Numerous large tree limbs were snapped.				
<b>BARTON COUNTY --- 1.1 E IANTHA [37.52, -94.40]</b>				
	07/24/11 19:30 CST		2K	Thunderstorm Wind (EG 52 kt)
	07/24/11 19:30 CST		0	Source: Emergency Manager
A garage door was reported damaged.				
<b>BARTON COUNTY --- 1.3 ESE OAKTON [37.46, -94.35]</b>				
	07/24/11 19:35 CST		0	Thunderstorm Wind (EG 52 kt)
	07/24/11 19:35 CST		0	Source: Emergency Manager
Emergency manager estimated wind gusts up to 60 mph.				
<b>BARTON COUNTY --- 1.8 SW IANTHA [37.50, -94.44]</b>				
	07/24/11 19:35 CST		1K	Thunderstorm Wind (EG 52 kt)
	07/24/11 19:35 CST		0	Source: Emergency Manager
Minor roof damage was reported.				
<b>JASPER COUNTY --- 2.8 W SARCOXIE [37.07, -94.17]</b>				
	07/24/11 20:25 CST		2K	Thunderstorm Wind (EG 52 kt)
	07/24/11 20:25 CST		0	Source: State Official
A power pole and two trees were blown down.				
<b>JASPER COUNTY --- SARCOXIE [37.07, -94.12]</b>				
	07/24/11 20:37 CST		0	Thunderstorm Wind (EG 61 kt)
	07/24/11 20:37 CST		0	Source: Public
Public in Sarcoxie reported at least 60 to 70 mph wind gusts.				
<b>JASPER COUNTY --- 0.6 W SARCOXIE [37.07, -94.13]</b>				
	07/24/11 20:40 CST		0	Thunderstorm Wind (EG 52 kt)
	07/24/11 20:40 CST		0	Source: COOP Observer
Several large tree limbs were blown down.				
<b>NEWTON COUNTY --- 0.9 SE BOULDER CITY [36.79, -94.24]</b>				
	07/24/11 21:00 CST		0	Thunderstorm Wind (EG 52 kt)
	07/24/11 21:00 CST		0	Source: State Official
Several large tree were blown down across Highway D and Racoon Road.				

## Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>VERNON COUNTY --- 1.3 ENE NEVADA [37.84, -94.35]</b>				
	07/25/11 14:15 CST		1K	Thunderstorm Wind (EG 52 kt)
	07/25/11 14:15 CST		0	Source: County Official
A tree and powerline was downed.				
<b>VERNON COUNTY --- 1.1 E NEVADA ARPT [37.85, -94.30]</b>				
	07/25/11 14:20 CST		0	Thunderstorm Wind (MG 51 kt)
	07/25/11 14:20 CST		0	Source: AWOS
KNVD measured a 51 knot wind gust.				
<b>BARTON COUNTY --- 1.4 S LAMAR [37.48, -94.28]</b>				
	07/25/11 15:23 CST		0	Thunderstorm Wind (EG 52 kt)
	07/25/11 15:23 CST		0	Source: Public
Downburst wind gusts downed a few large tree limbs down.				
<b>JASPER COUNTY --- 1.5 SSE ALBA [37.21, -94.42]</b>				
	07/25/11 16:38 CST		1K	Thunderstorm Wind (EG 56 kt)
	07/25/11 16:38 CST		0	Source: Amateur Radio
Downburst wind gusts knocked down guttering off a house. Ham radio operator estimated gusts greater than 60 mph.				
<b>A weak frontal boundary combined with summer daytime heating, helped develop isolated strong to severe storms which caused localized downbursts and large hail.</b>				
<b>WEBSTER COUNTY --- 2.1 NNE HENDERSON [37.18, -93.06]</b>				
	07/29/11 13:45 CST		0	Thunderstorm Wind (EG 52 kt)
	07/29/11 13:45 CST		0	Source: Amateur Radio
A tree was blow down across Highway D.				
<b>WEBSTER COUNTY --- 2.2 E COMPTON [37.23, -92.99]</b>				
	07/29/11 13:57 CST		1K	Thunderstorm Wind (EG 52 kt)
	07/29/11 13:57 CST		0	Source: Amateur Radio
Three trees were downed across the road near the intersection of Cave Springs Road and KK Highway.				
<b>GREENE COUNTY --- 2.8 S SPRINGFIELD [37.16, -93.30]</b>				
	07/30/11 12:45 CST		5K	Thunderstorm Wind (EG 52 kt)
	07/30/11 12:45 CST		0	Source: State Official
A window was blown out of a business. A traffic sign was partially detached from its mounting. Numerous power outages knocked out traffic signals.				
<b>PULASKI COUNTY --- 5.6 WSW LAQUEY [37.75, -92.40]</b>				
	07/30/11 14:00 CST	1	0	Lightning
	07/30/11 14:00 CST	2	0	Source: Law Enforcement
A small group was canoeing on the Gasconade River . As storms approached they left the river and took shelter under a tree. Lightning struck the three, killing one on site.				
Direct Fatalities: F20OU				
<b>CHRISTIAN COUNTY --- 2.4 SSW MC CRACKEN [36.99, -93.19]</b>				
	07/31/11 15:55 CST		0	Thunderstorm Wind (EG 52 kt)
	07/31/11 15:55 CST		0	Source: NWS Employee
A large tree limb was blown down.				
<b>A weak cool front that became stationary across the Ozarks and southeastern Kansas interacted with a very unstable airmass. Isolated strong to severe pulse storms occurred across the Ozarks which produced isolated wind damage.</b>				

Storm Data and Unusual Weather Phenomena - July 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(MO-Z094) LAWRENCE	07/31/11 12:00 CST		30K	Excessive Heat
	07/31/11 12:00 CST		0	

A extended period of temperatures and heat indexes in the 100s caused losses to area farmers and heat related illnesses across the region.